

**LISTING OF THE CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-10 (cancelled)

11. (previously presented) A method of testing a device under test having an operating integrated circuit on a fixture comprising the acts of:  
inserting an optical fiber into a hole defined in said fixture;  
applying light from a light source to a proximal end of said fiber;  
focusing said light as it exits a distal end of said fiber onto a photosensitive element of said integrated circuit thereby to cause latching of data into said integrated circuit;  
capturing light at a proximal end of said fiber reflected by said element; and  
analyzing said reflected light for proper focusing of said light onto said element.

12. (previously presented) A method of testing a device under test having an operating integrated circuit on a fixture comprising the acts of:  
inserting an optical fiber into a hole defined in said fixture;  
applying light from a light source to a proximal end of said fiber;  
focusing said light as it exits a distal end of said fiber onto a photosensitive element of said integrated circuit thereby to cause latching of data into said integrated circuit;  
capturing light at a proximal end of said fiber reflected by said element; and  
analyzing said reflected light to determine whether said light is correctly coupled into said fiber.

Claims 13-21 (cancelled)